

Appl. No. 10/779,337
Amdt. Dated October 23, 2007
Reply to Office Action of August 2, 2007

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for manufacturing a magneto-optical recording medium, in which at least a reproduction layer and recording layer each formed of a magnetic layer are deposited on a substrate having grooves and lands, and reproduction of recorded information is performed by means of domain wall displacement in said reproduction layer; comprising:

after depositing at least the reproduction layer and recording layer on the substrate on which are formed lands and grooves, a first annealing step, in which, substantially only the side-wall portions between ~~said~~ adjacent lands and grooves are irradiated with a first laser light; and,

a second magnetization annealing step, separate from the first, in which regions including said adjacent side-wall portions and said lands between the side-wall portions are irradiated with a second laser light having a spot diameter larger than the spot diameter of said first laser light ~~in said first annealing step~~, while applying an external magnetic field.

Please add the following new claims:

2. (New) The method for manufacturing a magneto-optical recording medium according to claim 1, wherein during said first annealing step, no external magnetic field is applied.

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3. (New) The method for manufacturing a magneto-optical recording medium according to claim 1, wherein during said first annealing step, no external magnetic field is applied.

4. (New) The method for manufacturing a magneto-optical recording medium according to claim 1, wherein the output power of the laser outputting the laser light during said second magnetization annealing step is substantially 5.0 mW or less.

5. (New) A method of annealing a magneto-optical recording medium, comprising the steps of:

a first annealing step, in which, substantially only side-wall portions located between adjacent lands and grooves formed in the magnetic-optical recording medium are irradiated with a first laser light; and,

a second magnetization annealing step, separate from the first, in which regions including said adjacent side-wall portions and said lands between the side-wall portions are irradiated with a second laser light having a spot diameter larger than the spot diameter of said first laser light while applying an external magnetic field.

6. (New) The method of annealing a magneto-optical recording medium according to claim 5, wherein during said first annealing step, no external magnetic field is applied.

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7. (New) The method of annealing a magneto-optical recording medium according to claim 5, wherein during said first annealing step, no external magnetic field is applied.

8. (New) The method of annealing a magneto-optical recording medium according to claim 5, wherein the output power of the laser outputting the laser light during said second magnetization annealing step is substantially 5.0 mW or less.

9. (New) The method of annealing a magneto-optical recording medium according to claim 5, wherein said grooves provide an information recording space, and the lands separate are used to separate adjacent recording grooves.

10. (New) The method for manufacturing a magneto-optical recording medium according to claim 1, wherein said grooves provide an information recording space, and the lands separate are used to separate adjacent recording grooves.